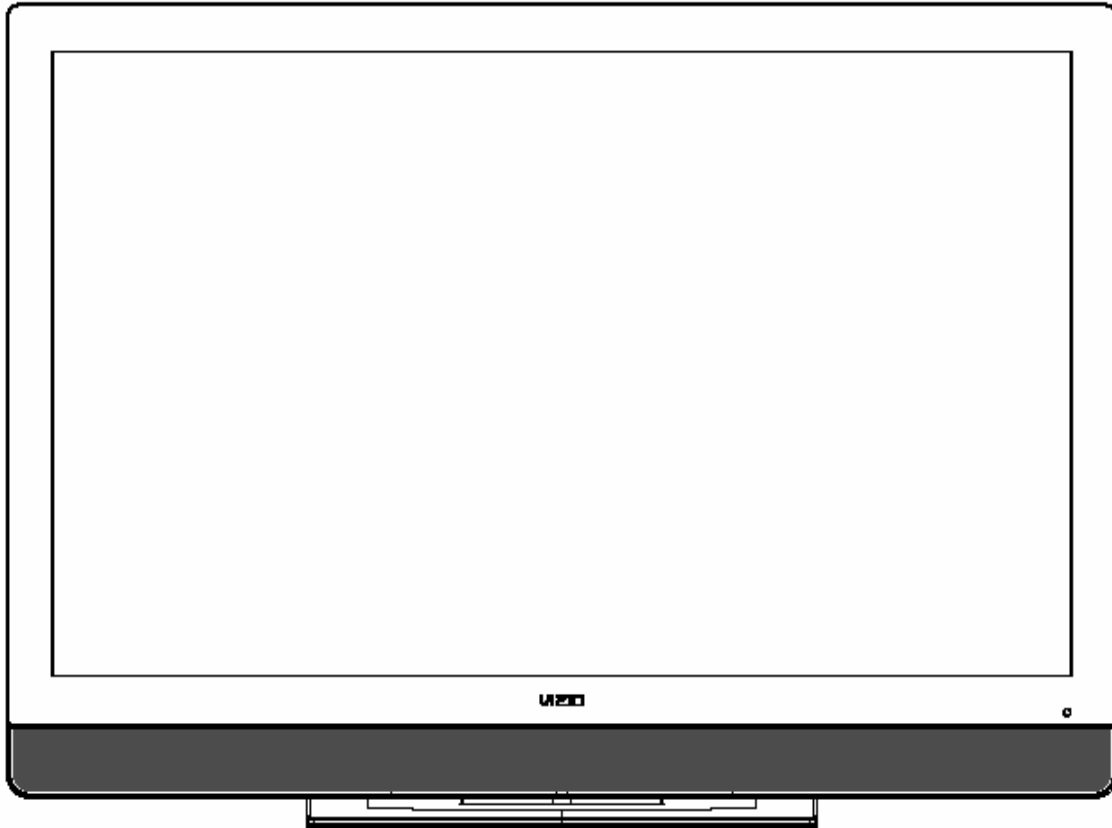


# Service Manual



**Model #: VIZIO VX52L  
FHD TV10A\_Samsung**

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*Top Confidential*

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1. Main Board Circuit Diagram
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- Block Diagram

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#### FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

#### FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus VINC Will not be held responsible for the product and its safety.

#### CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

#### SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

# Chapter 1      Features

---

1. Built in TV channel selector for TV viewing
2. Simultaneous display of PC and TV images
3. Connectable to PC's analog RGB port
4. Built in S-video, HDTV, composite video, HDMI and TV out
5. Built in auto adjust function for automatic adjustment of screen display
6. High quality 1920X1080 pixel by pixel display.
7. Smoothing function enables display of smooth texts and graphics even if image with resolution lower than 1920X1080 is magnified
8. Advanced video functions for personal favor.
9. Picture In Picture (PIP) function to show TV or VCR images
10. Power saving to reduce consumption power too less than 3W
11. On Screen Display: user can define display mode (i.e. color, brightness, contrast, sharpness, backlight), sound setting, PIP, TV channel program, aspect and gamma or reset all setting.

# Chapter 2      Specification

---

## 1. TFT-LCD CHARACTERISTICS

Model Name: Samsung 52" – LTA520HB03

Display Size: 52 inches diagonal

Outline Dimension: 1226.0 mm (H) x 719.2 mm (V) x 58.5 mm (D) (Typ.)

Pixel Pitch: 0.6mm x 0.6mm

Pixel Format: 1920 horiz. By 1080 vert. Pixels RGB strip arrangement

Display Operating Mode: Normally Black

Surface Treatment: Haze 44% , AG(4H , Anti\_Glare)

## 2. TFT-LCD OPTICAL CHARACTERISTICS

Contrast ratio: CR : 2000(Typ)

Surface Luminance, White: 500 cd/m<sup>2</sup> (Typ)

Response Time = 8 ms(Max=16ms)

Viewing Angle (CR>10)

Left: 89°typ.

Right: 89°typ.

Top: 89°typ.

Bottom: 89°typ.

## 3. Input Connectors

RJ11, D-SUB15PIN (MINI, 3rows), HDMIX3, RCAX2 (component), RCAX2 (AUDIO in), RCAX2 (composite), RCAX2 (AUDIO in), S-Video, Tuner , Line - out , SPDIF

## 4. POWER SUPPLY

Input Voltage Level: 100~240 Vac, 50/ 60 Hz

Power Consumption: 400W MAX

Power OFF: to less than 3W MAX

## 5. Speaker

Output 10W (max) X2

---

## 6. ENVIRONMENT

Operating Temperature: 0c~40c (Ambient)

Operating Humidity: Ta= 39 °C, 90%RH (Non-condensing)

Operating Altitude: 0 - 14,000 feet (4267.2m)(Non-Operating)

## 7. DIMENSIONS (Physical dimension)

Dimensions with stand :

1266mm(W) x 868.1mm(H)

Dimension without stand :

1266mm(W) x 836.7mm(H) x 117mm(D) inches

## 8. WEIGHT (Physical weight)

Net: 39+/- 0.5 kgs

Gross: 48+/- 1.0 kgs

### Precaution

Please pay attention to the followings when you use this TFT LCD module.

#### 1. OPERATING PRECAUTIONS

- (1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage :  $V=\pm 200\text{mV}$ (Over and under shoot voltage) .
- (2) Response time depends on the temperature. (In lower temperature, it becomes longer.)
- (3) Brightness depends on the temperature. (In lower temperature, it becomes lower.)And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
- (4) Be careful for condensation at sudden temperature change. Condensation makes damage to polarizer or electrical contacted parts. And after fading condensation, smear or spot will occur.
- (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.

- 
- (6) Module has high frequency circuits. System manufacturers shall do sufficient suppression to the electromagnetic interference. Grounding and shielding methods may be important to minimize the interference.
  - (7) please do not give any mechanical and/or acoustical impact to LCM . Otherwise , LCM can't be operated it's full characteristics perfectly.
  - (8) A screw which is fastened up the steel should be a amchine screw. (if not , it causes metallic foreign material and deal LCM a fatal blow).
  - (9) Please do not set LCD on its edge.

## **2. HANDLING PRECAUTIONS FOR PROTECTION**

- (1) The protection film is attached to the bezel with a small masking tape. When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.
- (3) You can remove the glue easily. When the glue remains on the bezel surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.

## Chapter 3 On Screen Display

On Screen Display (OSD) is a friendly interface providing the function adjusting in our system. Customers could operate it only by few buttons. There is the introduction of the OSD.

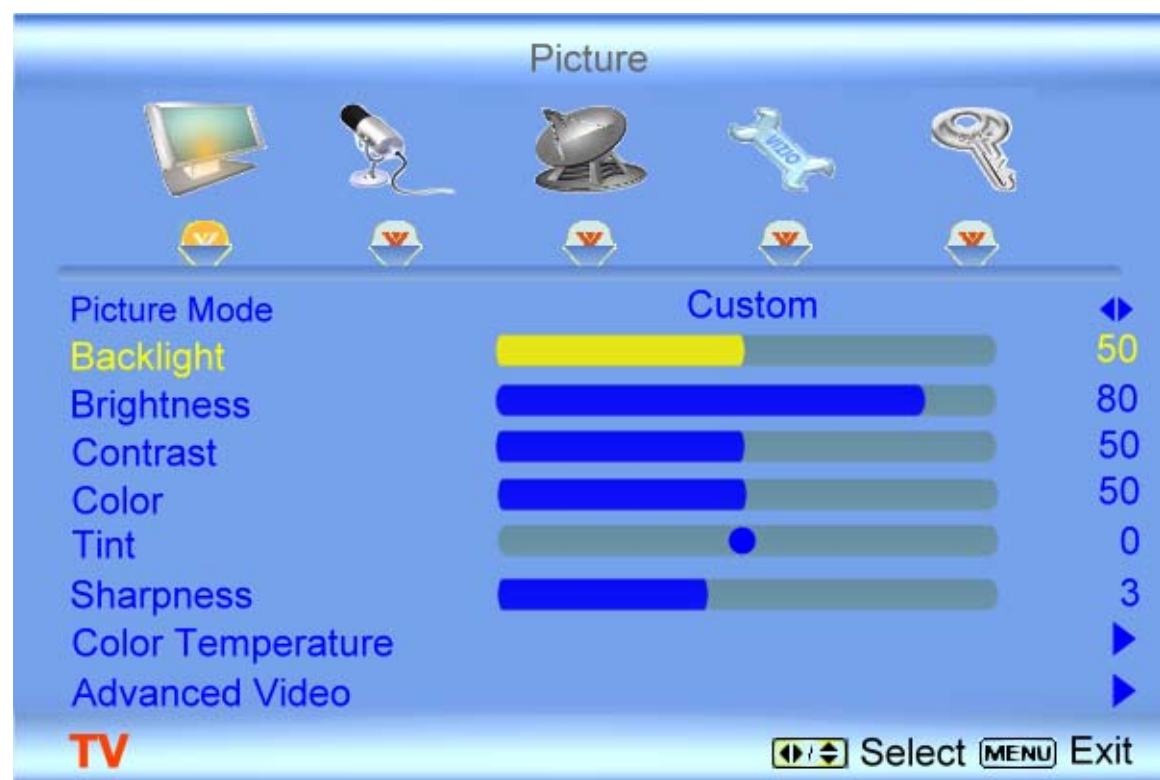
### Main unit button

MENU	OK
CH ▲	↑
CH ▼	↓
VOL +	←
VOL -	→
Input	

### [MENU]

“MENU” button could star the OSD which could adjust the performance and set up the setting between the different input sources. There are the structures.

### TV Source





**A. Picture : (Bold: Default)**

- a. Picture Mode (Standard/Movie /Game / **Custom**)
- b. Backlight (0~100, **90**)
- c. Contrast (0~100, **50**)
- d. Brightness (0~100, **50**)
- e. Color (saturation)(0~100, **50**)
- f. Tint (hue) (-32~32, **0**)
- g. Sharpness (0~7, **4**)
- h. Color Temperature (**Cool**/Normal/Warm/Custom)
- i. Advanced Video
  - 1. DNC (Low/Medium/Strong/**Off**)
  - 2. Black level extender (**Off**/On)
  - 3. White Peak Limiter (**On**/Off)
  - 4. CTI (**Low**/Medium/Strong/Off)
  - 5. Flesh Tone (**Off**/On)
  - 6. Adaptive Luma (**Off**/On)
  - 7. DCR (**Off**/On)

**B. Audio : (Bold: Default)**



- a. Volume (0~100, **25**)
- b. Bass (0~100, **50**)
- c. Treble (0~100, **50**)
- d. Balance (-50~50, **0**)
- e. Surround (**ON**/OFF)
- f. Speakers (**ON**/OFF)

**C. TV : (Bold: Default)**



- a. Tuner Mode (**Cable**/Air)
- b. Auto Search
- c. Skip Channel
- d. Digital Audio Out (**PCM**/Dolby Digital/OFF)
- e. Time Zone (**Eastern**/Indiana/Central/Mountain/Arizona/Pacific/Alaska/Hawaii)
- f. DAYLIGHT SAVING (**ON**, OFF)

---

**D. Setup : (Bold: Default)**

- a. Language (**English**/ Français / Español)
- b. Sleep Timer (**OFF**/30Min/60Min/90Min/120Min)
- c. Analog CC (**OFF**/CC1~4/TT1~4)
- d. Digital CC (**OFF**/CC1~4/Service1~6)
- e. Digital CC Style
  - 1. Caption Style (As Broadcaster/Custom)
  - 2. Size (**Large**/Small/Medium)
  - 3. Font Color (**White**/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
  - 4. Font Opacity (**Solid**/Translucent/Transparent)
  - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 6. Background Opacity (**Solid**/Translucent/Transparent)
  - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 8. Window Opacity (Solid/Translucent/**Transparent**)
- f. PIP
  - 1. Style (**OFF**/PIP/POP)
  - 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
  - 3. Size (**Small**/Medium/Large)
  - 4. Position(**Bottom Right**, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)
- g. H/V Position
  - 1. H. Position (0~64, 32)
  - 2. V. Position (0~32, 16)
  - 3. V. size (0~100, 20)
- h. Rest All Setting (OK/**Cancel**)

### E. Parental : (Bold: Default)



Password (**Default => 0000**)

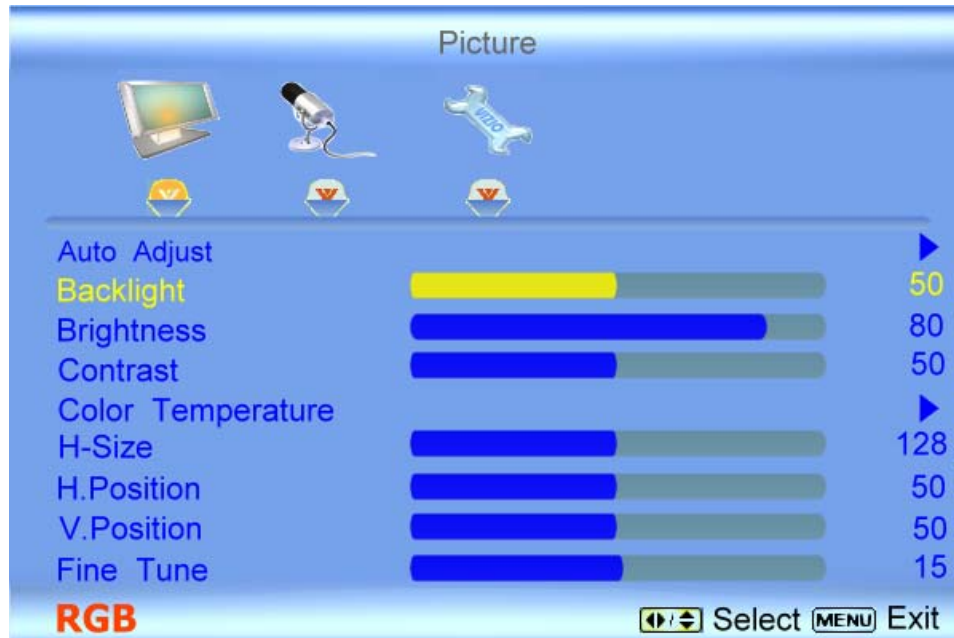
- a. Cannel Block
- b. TV Rating
- c. Move Rating
- d. Block Unrated TV (**NO**/Yes)
- e. Access Code Edit



捷徑 - Show Desktop.lnk

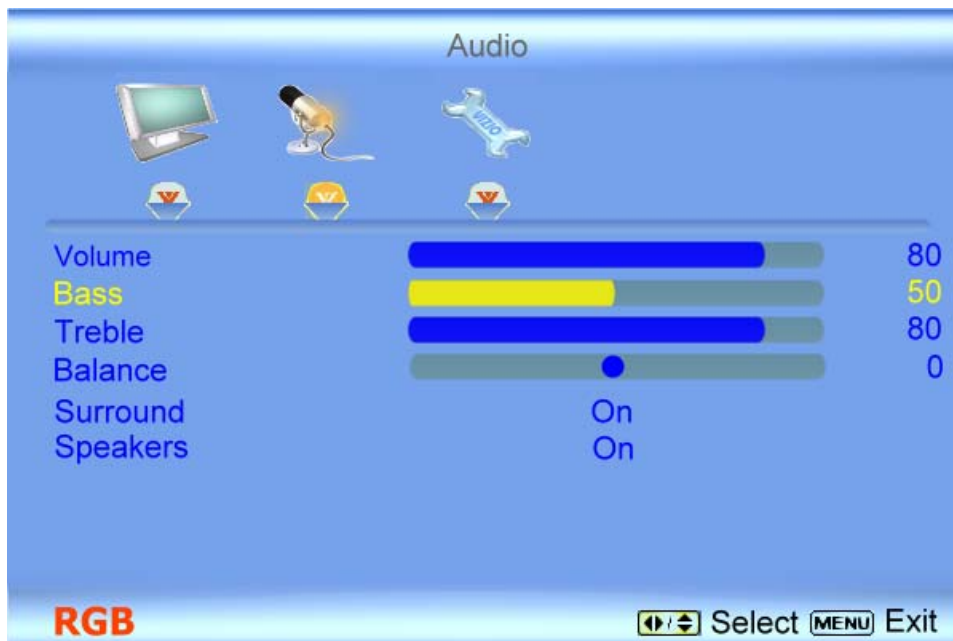
## RGB Mode

A. Picture Adjust : (**Bold: Default**)



- a. Auto Adjust
- b. Backlight (0~100, **90**)
- c. Contrast (0~100, **50**)
- d. Brightness (0~100, **50**)
- e. Color Temperature (**6500**/9300/Custom)
- f. H-Size (0~255, **127**)
- g. H-Position (0~100, **65**)
- h. V-Position (0~100, **49**)
- i. Fine Tune (0~31, **17**)

## B. Audio : (**Bold: Default**)



- a. Volume (0~100, **25**)
- b. Bass (0~100, **50**)
- c. Treble (0~100, **50**)
- d. Balance (-50~50, **0**)
- e. Surround (**ON**/OFF)
- f. Speakers (**ON**/OFF)

## C. Setup : (**Bold: Default**)

- a. Language (**English**/ Français / Español)
- b. Sleep Timer (**OFF**/30Min/60Min/90Min/120Min)
- c. Analog CC (**OFF**/CC1~4/TT1~4)
- d. Digital CC (**OFF**/CC1~4/Service1~6)
- e. Digital CC Style
  - 1. Caption Style (As Broadcaster/Custom)
  - 2. Size (**Large**/Small/Medium)
  - 3. Font Color (**White**/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
  - 4. Font Opacity (**Solid**/Translucent/Transparent)
  - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 6. Background Opacity (**Solid**/Translucent/Transparent)
  - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)

8. Window Opacity (Solid/Translucent/**Transparent**)

f. PIP

1. Style (**OFF**/PIP/POP)

2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)

3. Size (**Small**/Medium/Large)

4. Position(**Bottom Right**, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)

g. H/V Position

1. H. Position (0~64, 32)

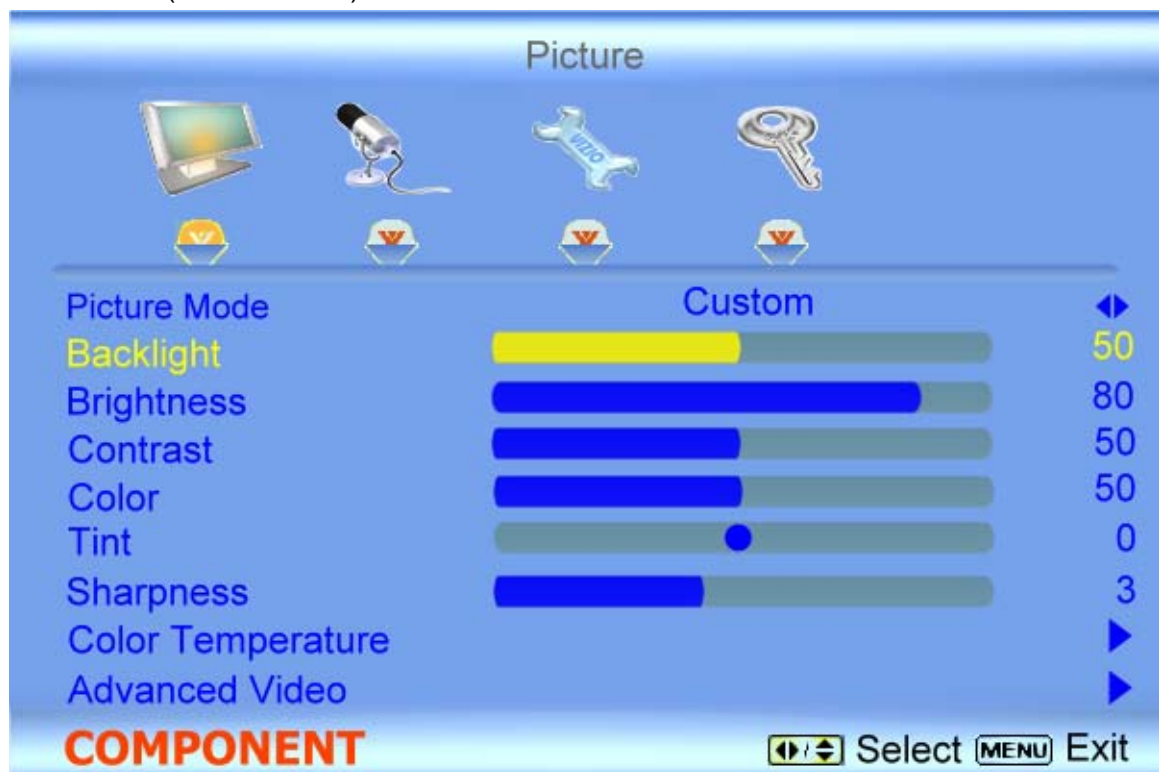
2. V. Position (0~32, 16)

3. V. size (0~100, 20)

h. Rest All Setting (OK/**Cancel**)

## **AV / COMPONENT MODE**

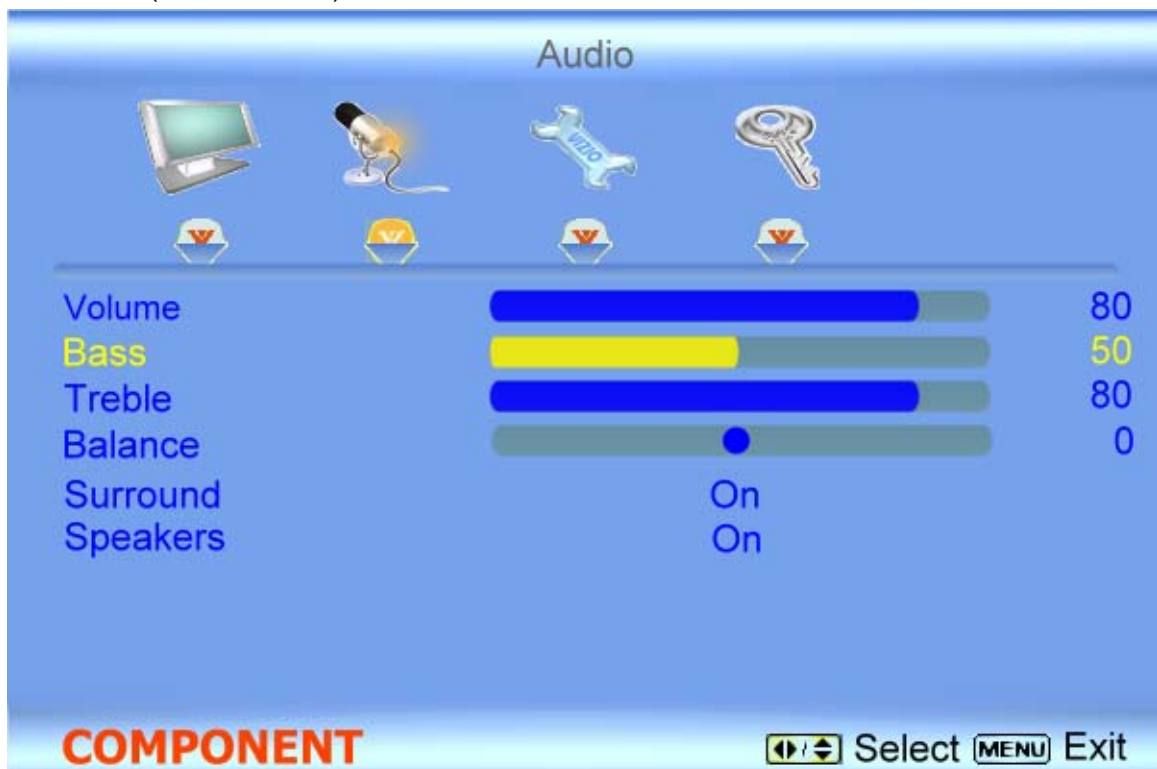
A. Picture : (**Bold: Default**)





- a. Picture Mode (Standard/Movie /Game / **Custom**)
- b. Backlight (0~100, **90**)
- c. Contrast (0~100, **50**)
- d. Brightness (0~100, **50**)
- e. Color (saturation)(0~100, **50**)
- f. Tint (hue) (-32~32, **0**)
- g. Sharpness (0~7, **4**)
- h. Color Temperature (**Cool**/Normal/Warm/Custom)
- i. Advanced Video
  - 1. DNC (Low/Medium/Strong/**Off**)
  - 2. Black level extender (**Off**/On)
  - 3. White Peak Limiter (**On**/Off)
  - 4. CTI (**Low**/Medium/Strong/Off)
  - 5. Flesh Tone (**Off**/On)
  - 6. Adaptive Luma (**Off**/On)
  - 7. DCR (**Off**/On)

**B. Audio : (Bold: Default)**



- 
- a. Volume (0~100, **25**)
  - b. Bass (0~100, **50**)
  - c. Treble (0~100, **50**)
  - d. Balance (-50~50, **0**)
  - e. Surround (**ON**/OFF)
  - f. Speakers (**ON**/OFF)

**C. Setup : (Bold: Default)**

- a. Language (**English**/ Français / Español)
- b. Sleep Timer (**OFF**/30Min/60Min/90Min/120Min)
- c. Analog CC (**OFF**/CC1~4/TT1~4)
- d. Digital CC (**OFF**/CC1~4/Service1~6)
- e. Digital CC Style
  - 1. Caption Style (As Broadcaster/Custom)
  - 2. Size (**Large**/Small/Medium)
  - 3. Font Color (**White**/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
  - 4. Font Opacity (**Solid**/Translucent/Transparent)
  - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 6. Background Opacity (**Solid**/Translucent/Transparent)
  - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 8. Window Opacity (Solid/Translucent/**Transparent**)
- f. PIP
  - 1. Style (**OFF**/PIP/POP)
  - 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
  - 3. Size (**Small**/Medium/Large)
  - 4. Position(**Bottom Right**, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)
- g. H/V Position
  - 1. H. Position (0~64, 32)
  - 2. V. Position (0~32, 16)
  - 3. V. size (0~100, 20)
- h. Rest All Setting (OK/**Cancel**)

#### D. Parental : (Bold: Default)

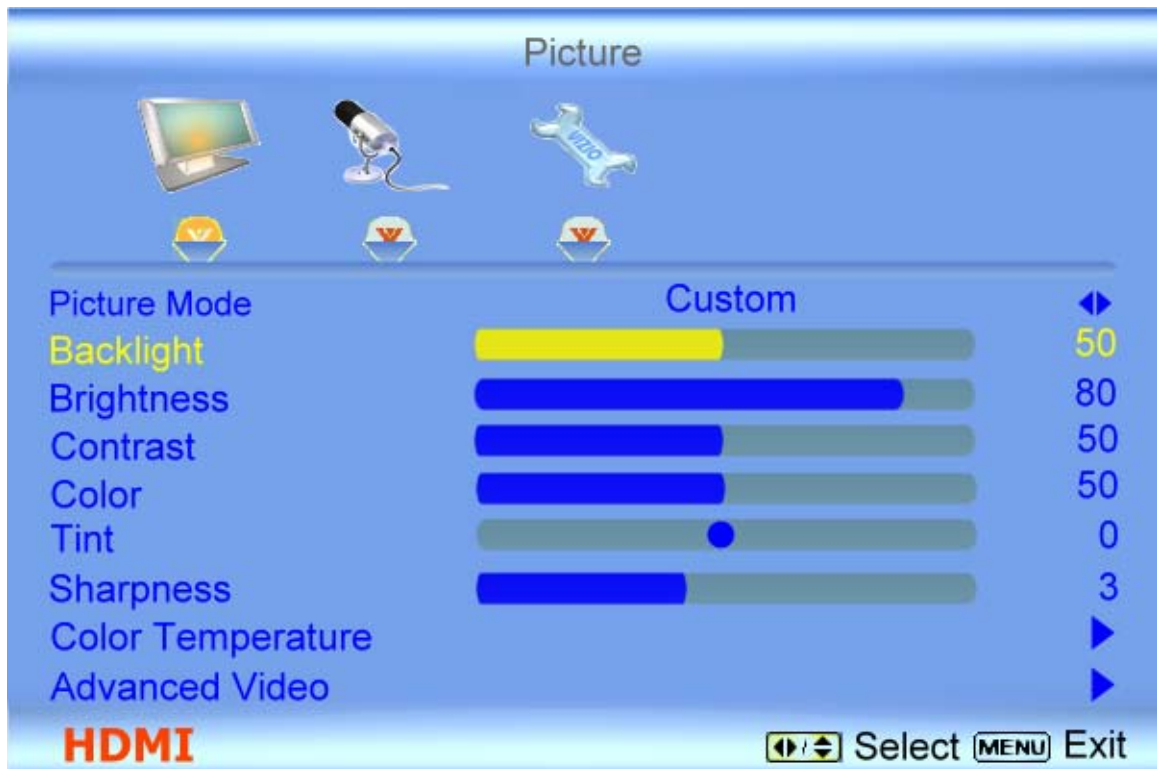


Password (Default => 0000)

- a. Cannel Block
- b. TV Rating
- c. Move Rating
- d. Block Unrated TV (**NO**/Yes)
- e. Access Code Edit

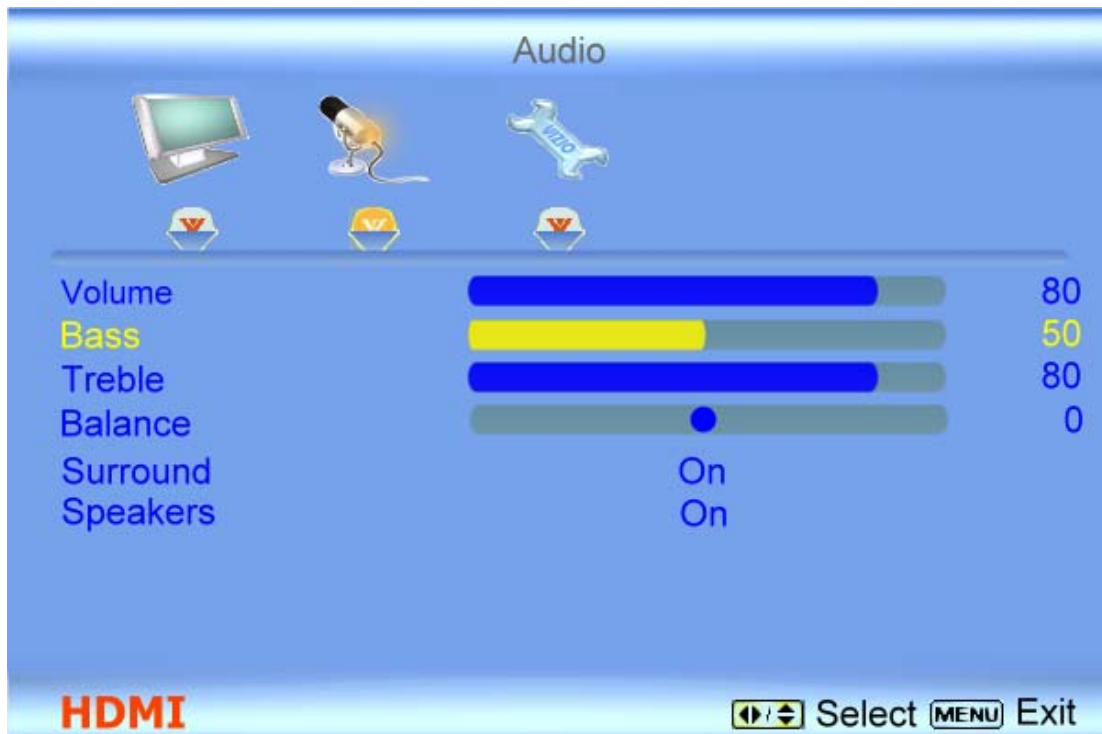
## HDMI MODE

#### A. Picture : (Bold: Default)



- a. Picture Mode (Standard/Movie /Game / **Custom**)
- b. Backlight (0~100, **90**)
- c. Contrast (0~100, **50**)
- d. Brightness (0~100, **50**)
- e. Color (saturation)(0~100, **50**)
- f. Tint (hue) (-32~32, **0**)
- g. Sharpness (0~7, **4**)
- h. Color Temperature (**Cool**/Normal/Warm/Custom)
- i. Advanced Video
  - 1. DNC (Low/Medium/Strong/**Off**)
  - 2. Black level extender (**Off**/On)
  - 3. White Peak Limiter (**On**/Off)
  - 4. CTI (**Low**/Medium/Strong/Off)
  - 5. Flesh Tone (**Off**/On)
  - 6. Adaptive Luma (**Off**/On)
  - 7. DCR (**Off**/On)

**B. Audio : (Bold: Default)**



- 
- a. Volume (0~100, **25**)
  - b. Bass (0~100, **50**)
  - c. Treble (0~100, **50**)
  - d. Balance (-50~50, **0**)
  - e. Surround (**ON**/OFF)
  - f. Speakers (**ON**/OFF)

**C. Setup : (Bold: Default)**

- a. Language (**English**/ Français / Español)
- b. Sleep Timer (**OFF**/30Min/60Min/90Min/120Min)
- c. Analog CC (**OFF**/CC1~4/TT1~4)
- d. Digital CC (**OFF**/CC1~4/Service1~6)
- e. Digital CC Style
  - 1. Caption Style (As Broadcaster/Custom)
  - 2. Size (**Large**/Small/Medium)
  - 3. Font Color (**White**/Green/Blue/Red/Cyan/Yellow/Magenta/Black)
  - 4. Font Opacity (**Solid**/Translucent/Transparent)
  - 5. Background Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 6. Background Opacity (**Solid**/Translucent/Transparent)
  - 7. Window Color (White/Green/Blue/Red/Cyan/Yellow/Magenta/**Black**)
  - 8. Window Opacity (Solid/Translucent/**Transparent**)
- f. PIP
  - 1. Style (**OFF**/PIP/POP)
  - 2. Input (TV, AV1, AV2, COMPONENT1, COMPONENT2, RGB, HDMI1, HDMI2)
  - 3. Size (**Small**/Medium/Large)
  - 4. Position(**Bottom Right**, Bottom Center, Bottom Left, Middle Left, Top Left, Top Center, Top Right, Middle Right)
- g. H/V Position
  - 1. H. Position (0~64, 32)
  - 2. V. Position (0~32, 16)
  - 3. V. size (0~100, 20)
- h. Rest All Setting (OK/**Cancel**)

---

## [INPUT]

“INPUT” could supply an interface providing a list. The list shows input sources and provides the choices of different sources. The list includes items as below:

MAIN
TV
AV1
AV2
COMPONENT1
COMPONENT2
RGB
HDMI 1
HDMI 2
HDMI 3

- A. **TV**: Analog TV or digital TV
- B. **AV1**, **AV2**: Composite (AV) signal
- C. **Component1**, **Component2**: Color difference (YPbPr) video signals.
- D. **RGB**: Video Graphics Array (VGA) or D-sub video signals.
- E. **HDMI1**, **HDMI2**, **HDMI3**, **HDMI4**: High Definition Multimedia Interface (HDMI) multimedia signals.

**Note :** The list of PIP provides the choices of different sources on sub-screen.

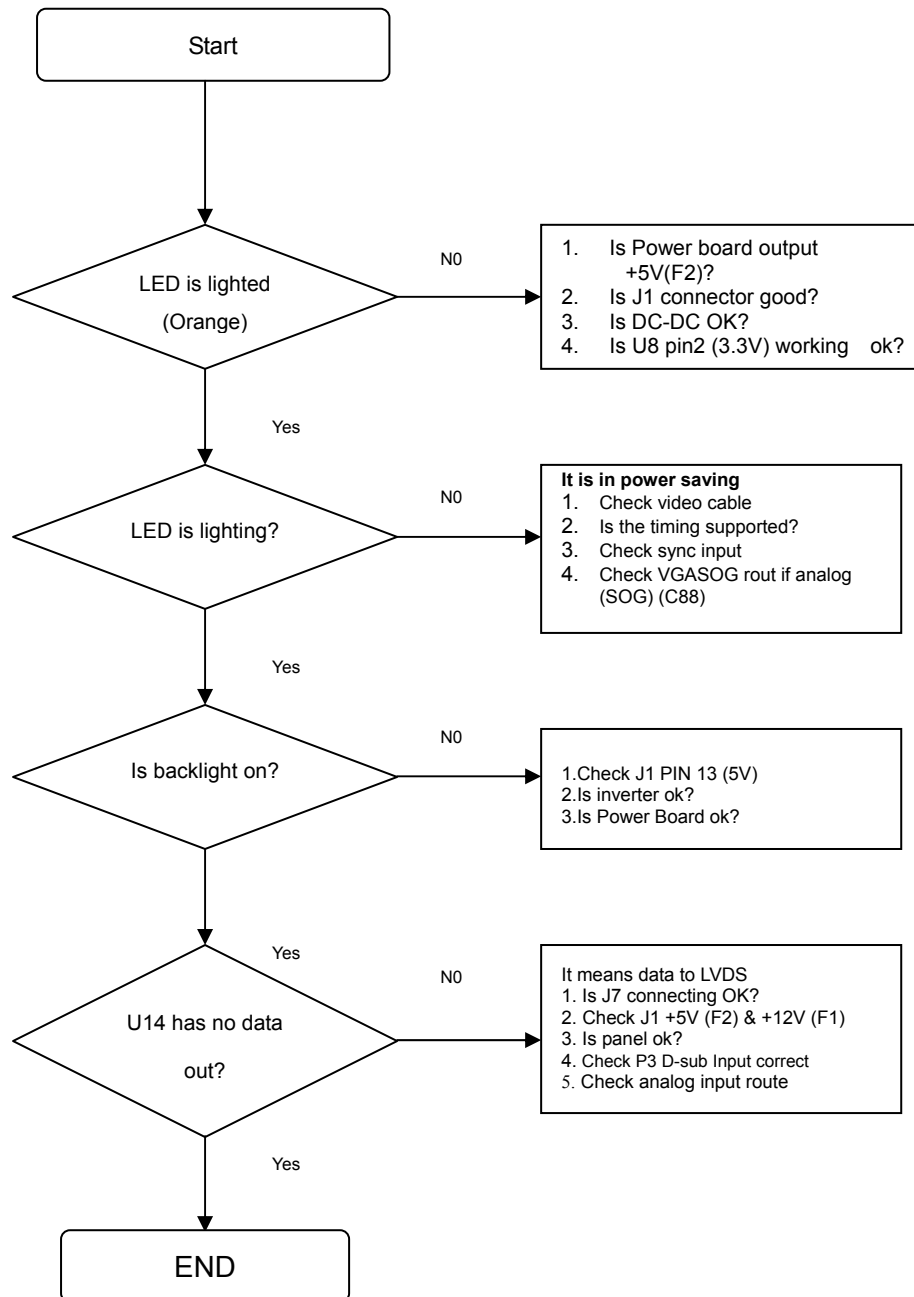
## [INFO]

“INFO” button could show an information bar which displays the information about the input signal on our LCD TV.

Charmed	20-2
11:00 PM - 12:00 AM	KBWB-SD
TV-14-V	Cable
cc	English stereo
	480i SD

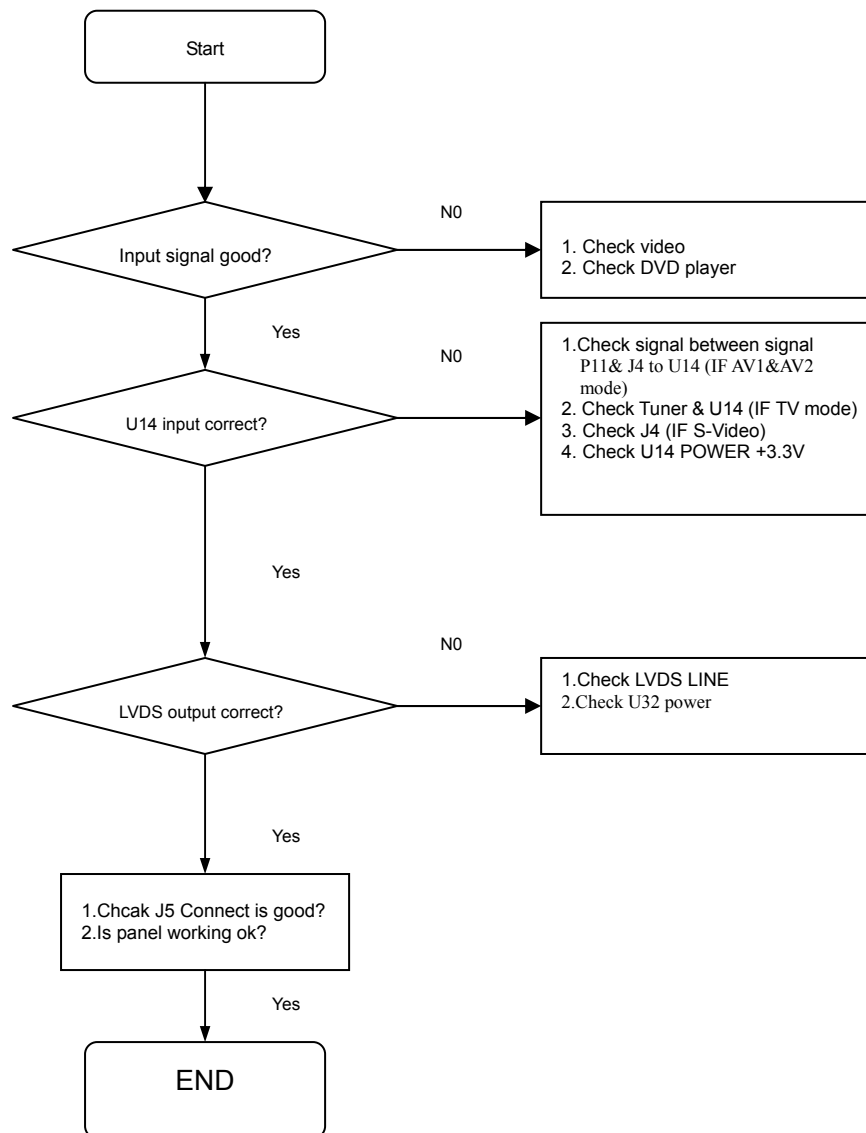
# Chapter 9    Trouble shooting

## MONITOR DISPLAY NOTHING (PC MODE)



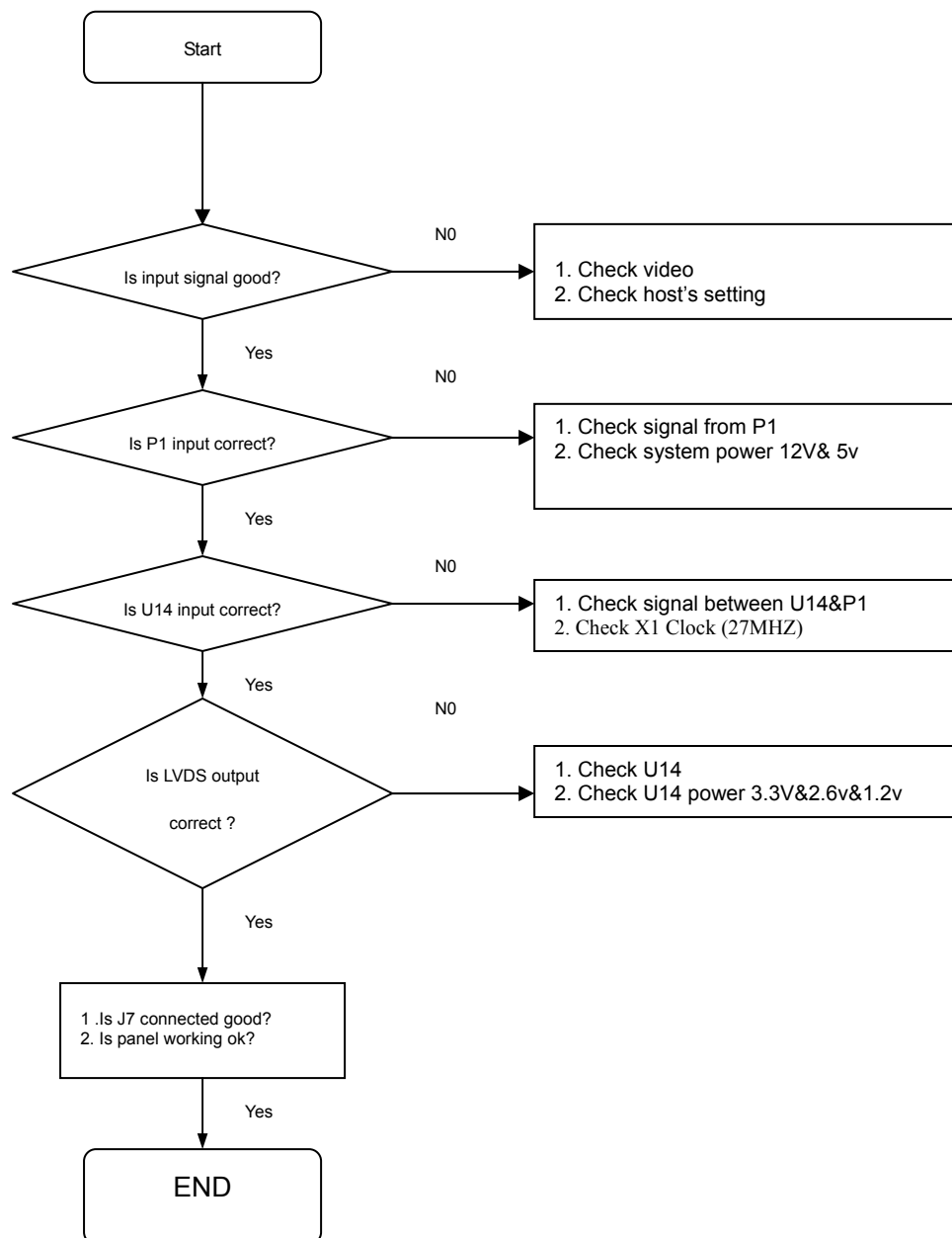
---

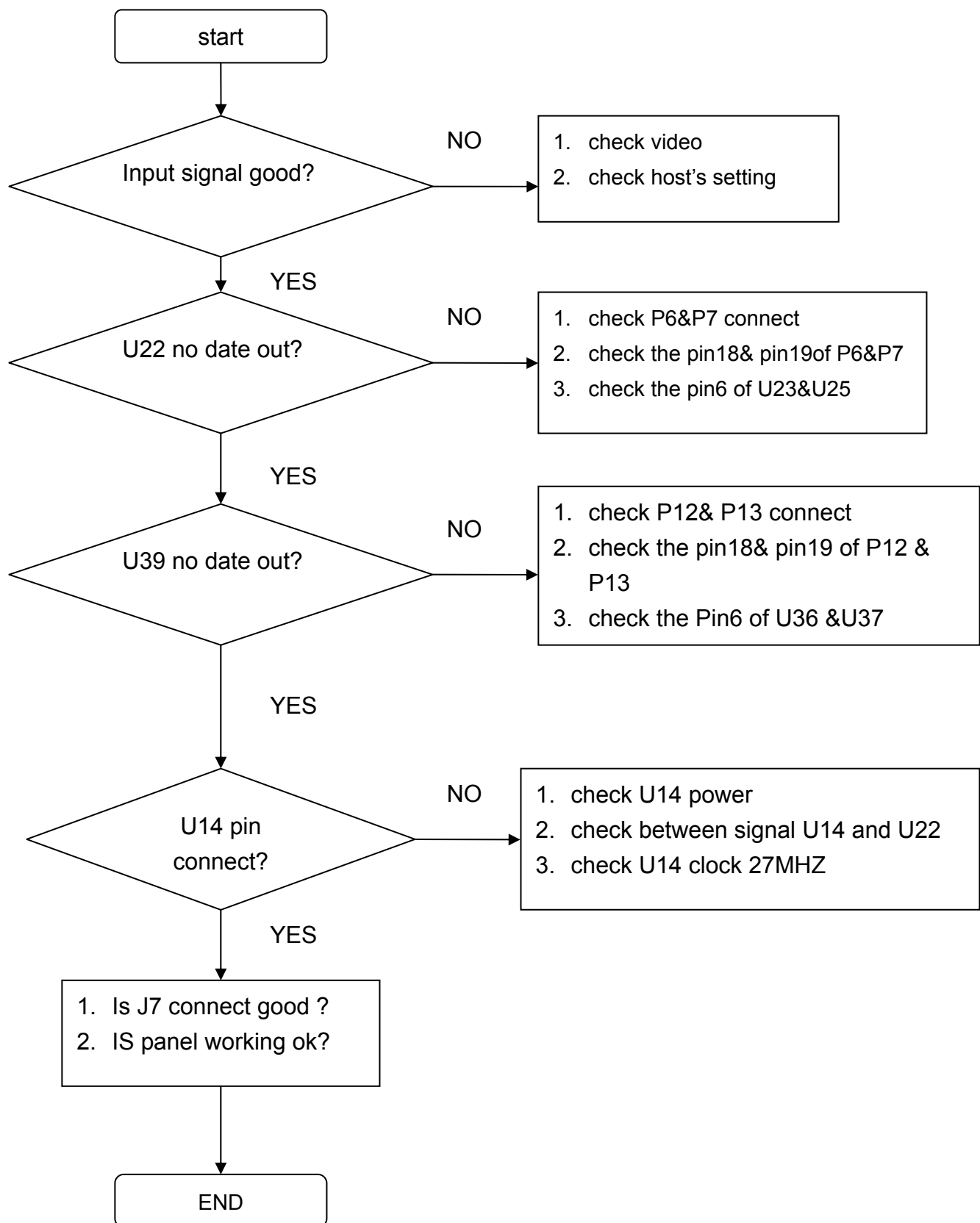
(TV, COMPOSITE VIDEO1, 2, S-VIDEO) IS NOT DISPLAY CORRECTLY



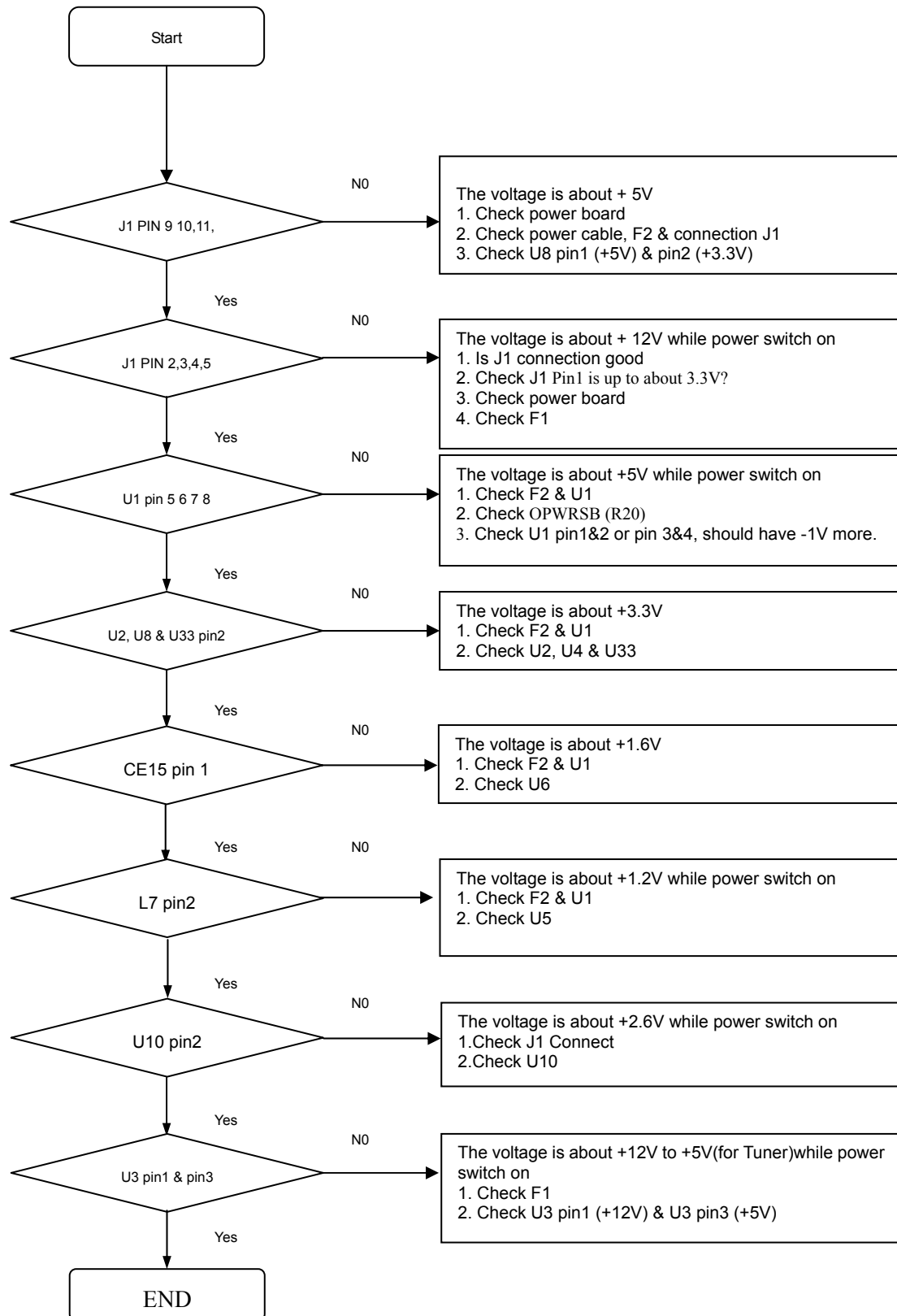


(COMPONENT1, 2) IS NOT DISPLAY CORRECTLY

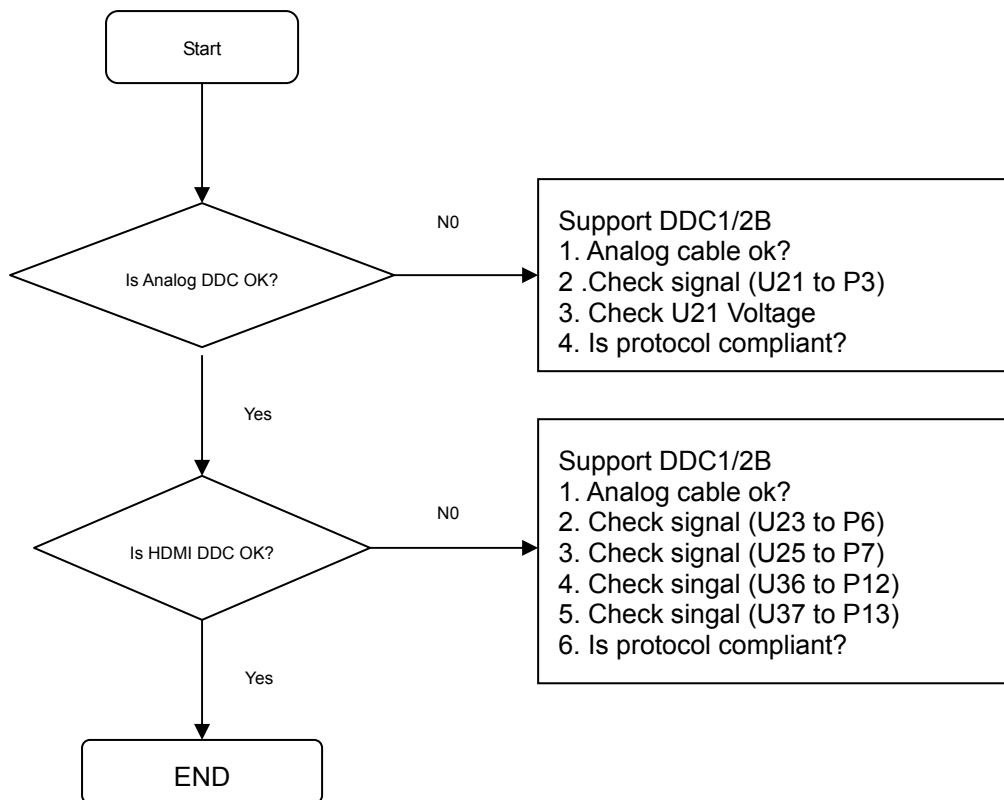




## TROUBLE OF DC-DC CONVERTER



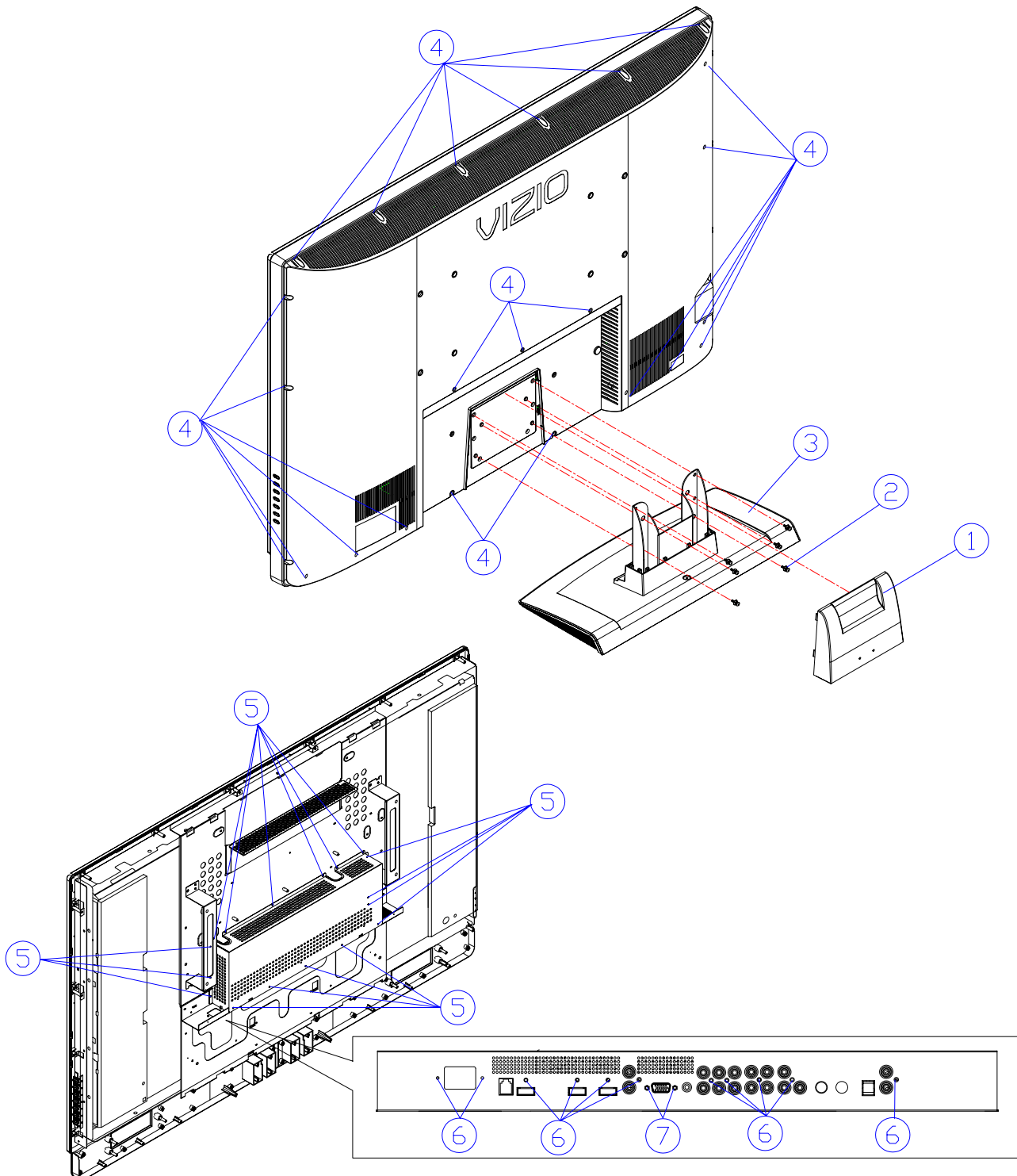
## TROUBLE OF EDID READING



## 1. REAR COVER ASS'Y / CONNECTOR BD ASS'Y REMOVAL

*Note: Spread a mat underneath to avoid damaging the HDTV surface.*

- 1) Separate the base Top ①.
- 2) Remove six screws ② from Base Ass'y ③.
- 2) Separate the Base Ass'y ③.
- 4) Remove twenty-three ④ from rear cover.
- 3) Separate the rear cover.
- 9) Remove seventeen screws ⑤, two hexagon screws ⑦, eleven screws ⑥.
- 10) Separate the shielding.

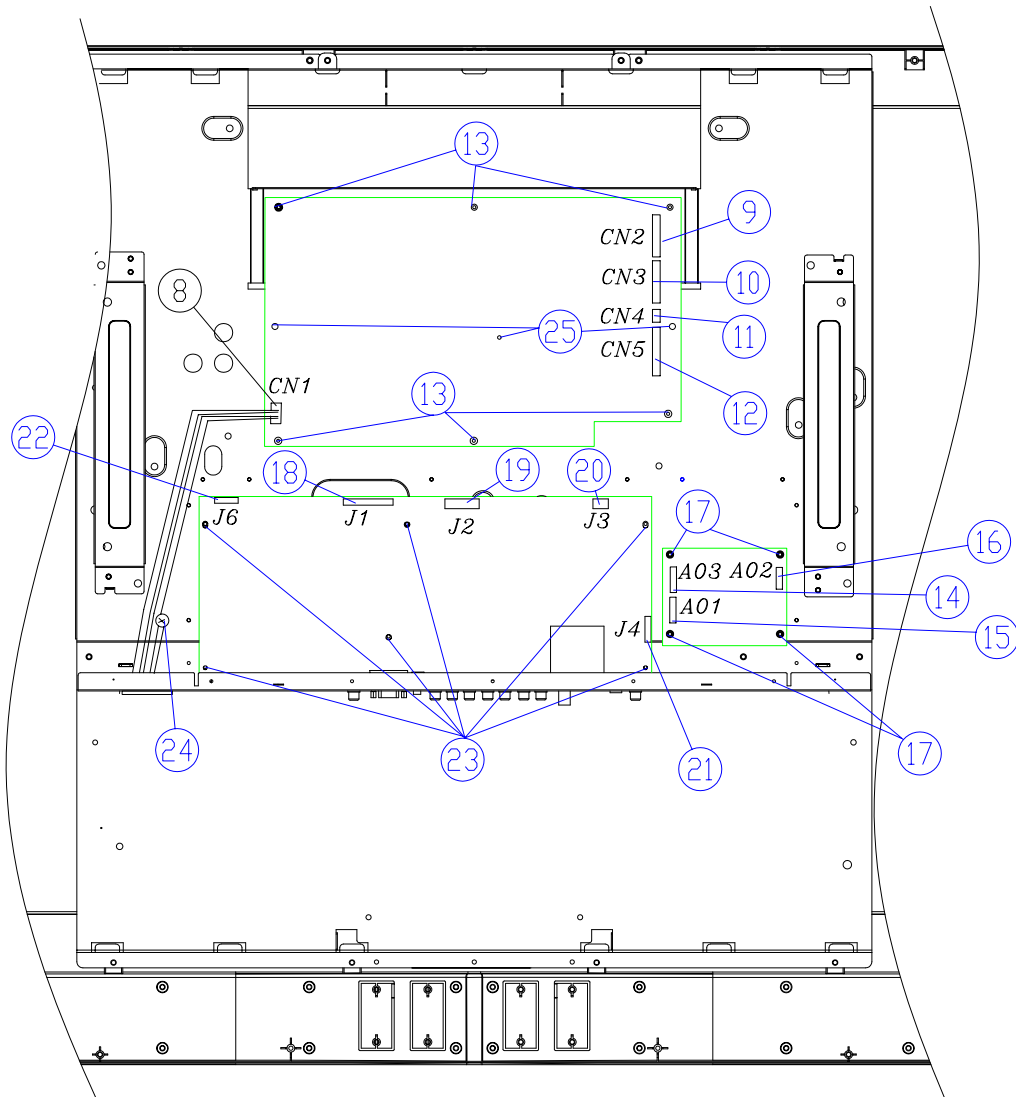


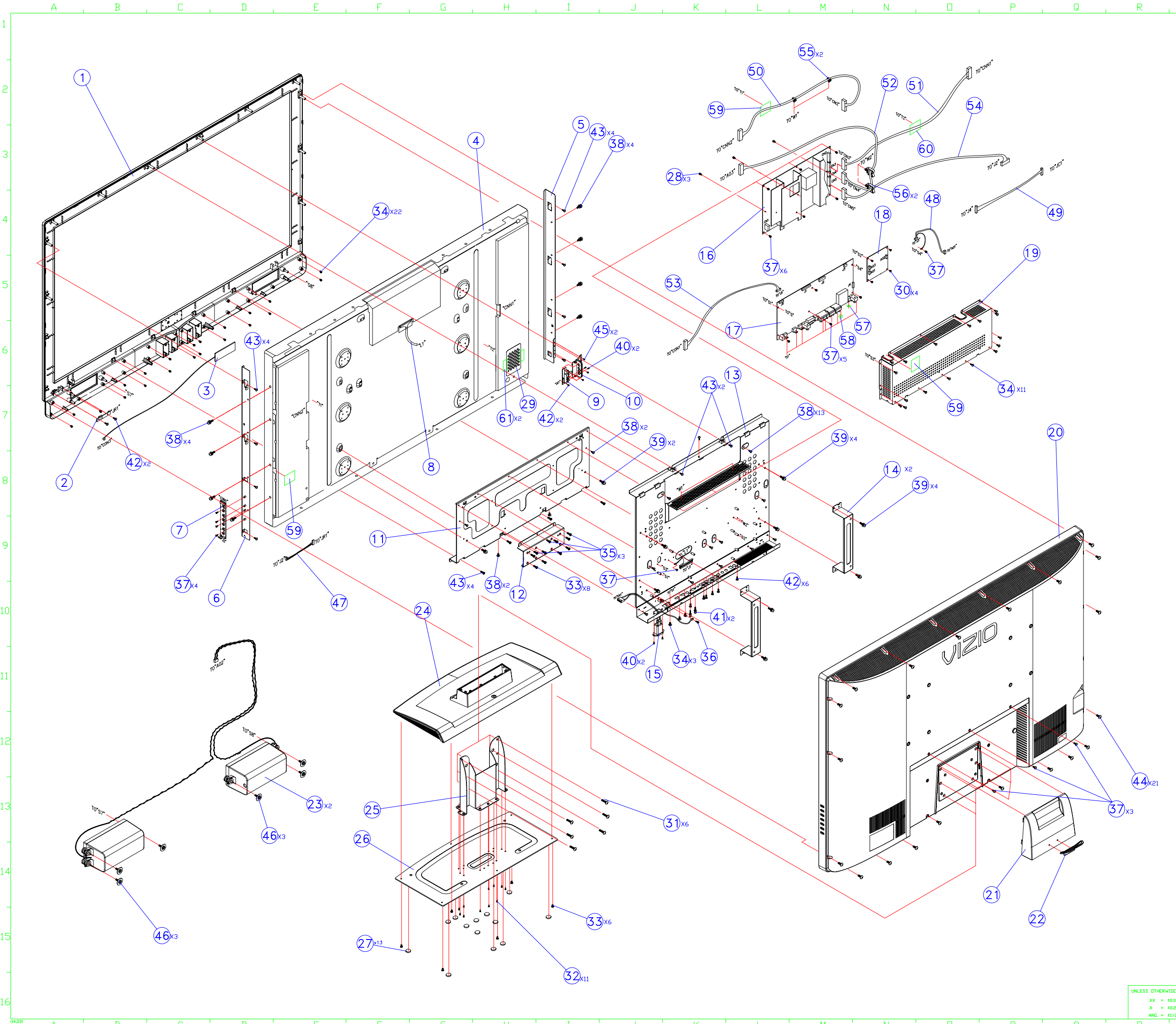
## 2. POWER BD ASS'Y/AUDIO BD ASS'Y REMOVAL

- 1) Remove the connector ⑨ ⑩ (CN2)(CN3) of the inverter cable.
- 2) Remove the connector ⑪ (CN4) of the Audio cable.
- 3) Remove the connector ⑫ (CN5) of the Main cable.
- 4) Remove the connector ⑧ (CN1) of the AC IN cable.
- 5) Remove one screw ⑭.
- 6) Remove six screws ⑬ from Power BD ASS'Y .
- 7) Separate the Power BD ASS'Y .
- 8) Remove the connector ⑮ (A03) of the Audio cable.
- 9) Remove the connector ⑯ (A01) of the Main cable 1.
- 10) Remove the connector ⑰ (A02) of the speaker cable.
- 11) Remove four screws ⑱ from Audio BD Ass'y.
- 12) Separate the Audio BD Ass'y.

## 3. MAIN BD ASS'Y REMOVAL

- 1) Remove the connector ⑲ (J1) of the LVDS cable.
- 2) Remove the connector ⑳ (J6) of the Keypad cable.
- 3) Remove the connector ㉑ (J2) of the Power BD cable.
- 4) Remove the connector ㉒ (J3) of the main cable1.
- 5) Remove the connector ㉓ (J4) of the connector cable.
- 6) Remove seven screws ㉔ and three spacer support ㉕ from MAIN BD Ass'y.
- 12) Separate the Main BD Ass'y.





ITEM	XDESCRIPTION	QTY
1	FRONT BEZEL (VX52L)(ABS, 94-HB/T52013) ASS'Y	1
2	IR BD ASS'Y (VX52L)	1
3	LED BACKLIGHT 25*90*3 650mm LP1063-S562(Blk F)LF	1
4	LCD MODULE 52.0" TFT LT4520HB03-001 (Samsung)	1
5	PANEL HOLDER_R (VX52L FHDV10A)	1
6	PANEL HOLDER_L (VX52L FHDV10A)	1
7	DISPLAY BD ASS'Y (VU42L FHDV10A)	1
8	WH PKS24020P51/P240430 20276#30 330mm+ABSR.+GND	1
9	CONNECTOR BD ASS'Y VX32L HDTV	1
10	SIDE JACK COVER (VX52L)(ABS, 94-5V/T48020)	1
11	SUPPORT BKT (VX52L FHDV10A)	1
12	NECK SUPPORT BKT (VX52L FHDV10A)	1
13	CHASSIS (VX52L FHDV10A)	1
14	VESA SUPPORT BKT (VX52L FHDV10A)	2
15	AC INLET +VHR5P 1617#22 300mm 1015#18 50mm+CORE	1
16	POWER BD ASS'Y DPS-433BP LF	1
17	MAIN BD ASS'Y(VX52L FHDV10A-Samsung)(HDCP)	1
18	AUDIO BD ASS'Y (VX52L-SHARP)	1
19	MAIN SHIELD (VX52L FHDV10A)	1
20	REAR COVER (VX52L)(ABS, 94-5V/T48020) ASS'Y	1
21	BASE TOP (VX52L)(ABS, 94-HB/T52013,877C)	1
22	CABLE CLIP (GV42L HDTV)	1
23	SPK BOX 15W 6ohm 2way 1330/620mm(BX-5531-06-M)LF	1
24	BASE COVER (VX52L)(ABS, 94-HB/T52013,877C)	1
25	BASE SUPPORT BKT (VX52L FHDV10A)	1
26	BASE BKT (VX52L FHDV10A)	1
27	BASE FOOT (Ont-15/Mic-17)	13
28	SPACER SUPPORT (BCMS-12)	3
29	INVERTER BKT (VX52L FHDV10A)	1
30	SCREW-MRF M3.0*6.0LZN	4
31	MAC. SCREW-MPSFW M5.0*15.0L, BLK-Ni	6
32	MAC. SCREW-MF M4.0*8.0L,Ni	11
33	TAP.SCREW-TR #4.0*8.0L,Ni	14
34	MAC. SCREW-MB M3.0*6.0L,Ni	22
35	MAC. SCREW-MB M4.0*8.0L,Ni	7
36	MAC. SCREW-MPGW M4.0*8.0L,Ni	1
37	MAC.SCREW-MPSFW M3.0*6.0L Ni	24
38	MAC. SCREW-MPSWF M4.0*8.0L,Ni	25
39	MAC.SCREW-MPSFW M5*9.0L,BLK_Ni	10
40	MAC. SCREW-MF M3.0*8.0L,BLK-Ni	2
41	MAC. SCREW-MHSW #4-40*8.0L,Ni	2
42	TAP. SCREW-TB #3.0*8.0L,Ni	10
43	TAP. SCREW-TP #4.0*8.0L,Ni	36
44	TAP.SCREW-TB #4.0*12.0L,Ni	21
45	TAP. SCREW-TF #M3.0*8.0L, Ni	2
46	TAP. SCREW-TRF #3.0*8.0L,Ni	6
47	WH A2001H02-4P/A2001H02-4P 1061#26 180mm	1
48	WH A2001-7P/A2001-4P 2464#26 150mm+GND	1
49	WH A2001-12/A2001-12 20276#30 520mm+CORE	1
50	WH A2001H02-14P/A2543H00-13P 1007#24 900mm	1
51	WH A2001-14P/A2543-13P 1007#24 500mm	1
52	WH A2501-4P/A2543-4P 1007#22 250mm+CORE	1
53	WH A1251-10P/A1251-10P 1571#28 600mm	1
54	WH A2543H00-15P/A2001H02-13P 1007#24 400mm	1
55	WIRE SADDLE (CH-02)	2
56	WIRE SADDLE (CH-14)	2
57	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ	1
58	INSULATOR(D16*10*11.2)(TRANSPARENT)	1
59	SHIELDING AL. TAPE (50.0*40.0)	3
60	SHIELDING AL.TAPE (50.0W*70.0L)(HP Obi Wan-24)	1
61	ACETAT CLOTH TAPE (20.0*45.0mm)	2

UNLESS OTHERWISE NOTED  
XX = ±0.10  
X = ±0.2  
ANG = ±1/2°

VIZIO VX52L FHDV10A_Samsung		2652-8500-2033	
DESCRIPTION		PART NO.	
AMTRAN TECHNOLOGY Co., LTD.		MODEL No. VIZIO VX52L FHDV10A_Samsung	
DSN: Jessie Yu	3/15/08	MATERIAL: *****	DWG. NAME:
CHK:		D'TY: 1	SIZE: A1
		SCALE: Full	UNIT: MM
		DWG. No. VIZIO-VX52L FHDV10A-SAM.DWG	REV. 0
		SHEET: 1 of 1	